

3330 Cameron Park Drive, Ste 550  
Cameron Park, California 95682  
(530) 676-6004 ~ Fax: (530) 676-6005

March 3, 2006  
Project No. 2028-0031-01

Mr. Michael Smith  
California Regional Water Quality Control Board  
Central Valley Region  
11020 Sun Center Drive  
Rancho Cordova, California 95670

Re: Well Destruction Letter Report  
Nella Oil Company Station No. 31  
12008 Plaza Drive,  
Grass Valley, California

Dear Mr. Smith:

Stratus Environmental, Inc. (Stratus), on behalf of Nella Oil Company (Nella), is submitting this Well Destruction Letter Report for Nella Station No. 31 (the site), located at 12008 Plaza Drive, Grass Valley, California (Figure 1). In a letter dated January 17, 2006, California Regional Water Quality Control Board (CRWQCB) personnel requested the destruction of all site groundwater monitoring wells as part of the process to close the environmental case for the subject property. The well destructions were recently completed; procedures utilized to complete the requested work are described in the following subsections of this document.

## **WELL DESTRUCTIONS**

Prior to initiating work activities, well abandonment permits were obtained from Nevada County Department of Environmental Health (NCDEH). Copies of the well destruction permits are provided in Appendix A. A C-57 licensed drilling contractor (Woodward Drilling Inc., C-57 #710079) performed the well destruction activities in the presence of a Stratus representative and an NCDEH inspector. All work was completed under the direction of a State of California Professional Geologist. The former well locations are presented in Figure 2.

Wells MW-1 through MW-5 were destroyed on February 21, 2006, by pressure grouting with neat cement. Following completion of pressure grouting, the traffic rated vault boxes covering each well were removed. The upper 5 feet of the well MW-1, MW-3, MW-4, and MW-5 casings were subsequently drilled out using an 8-inch diameter hollow stem auger. The upper 5-feet of well MW-2 was not drilled out with concurrence of the NCDEH representative. Following overdrilling, a concrete patch was used to patch the ground surface at the MW-1, MW-3, MW-4,

Mr. Michael Smith, CRWQCB  
Well Destruction Letter Report  
Nella Oil Station No. 31, Grass Valley, CA  
Page 2

March 3, 2006

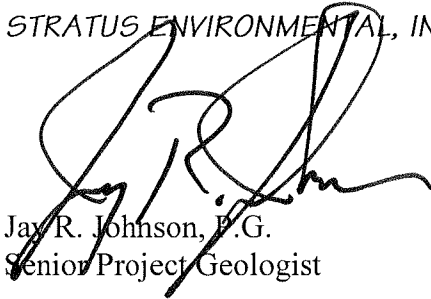
and MW-5 well locations. Soil and mulch were used to cover the ground surface at the MW-2 well location.

Following completion of the work, Stratus submitted well destruction forms to the California Department of Water Resources (DWR). Copies of these well destruction forms are included in Appendix B.

If you have any questions or comments, please call Jay Johnson at (530) 676-6000 or Scott Bittinger at (530) 676-2062.

Sincerely,

STRATUS ENVIRONMENTAL, INC.



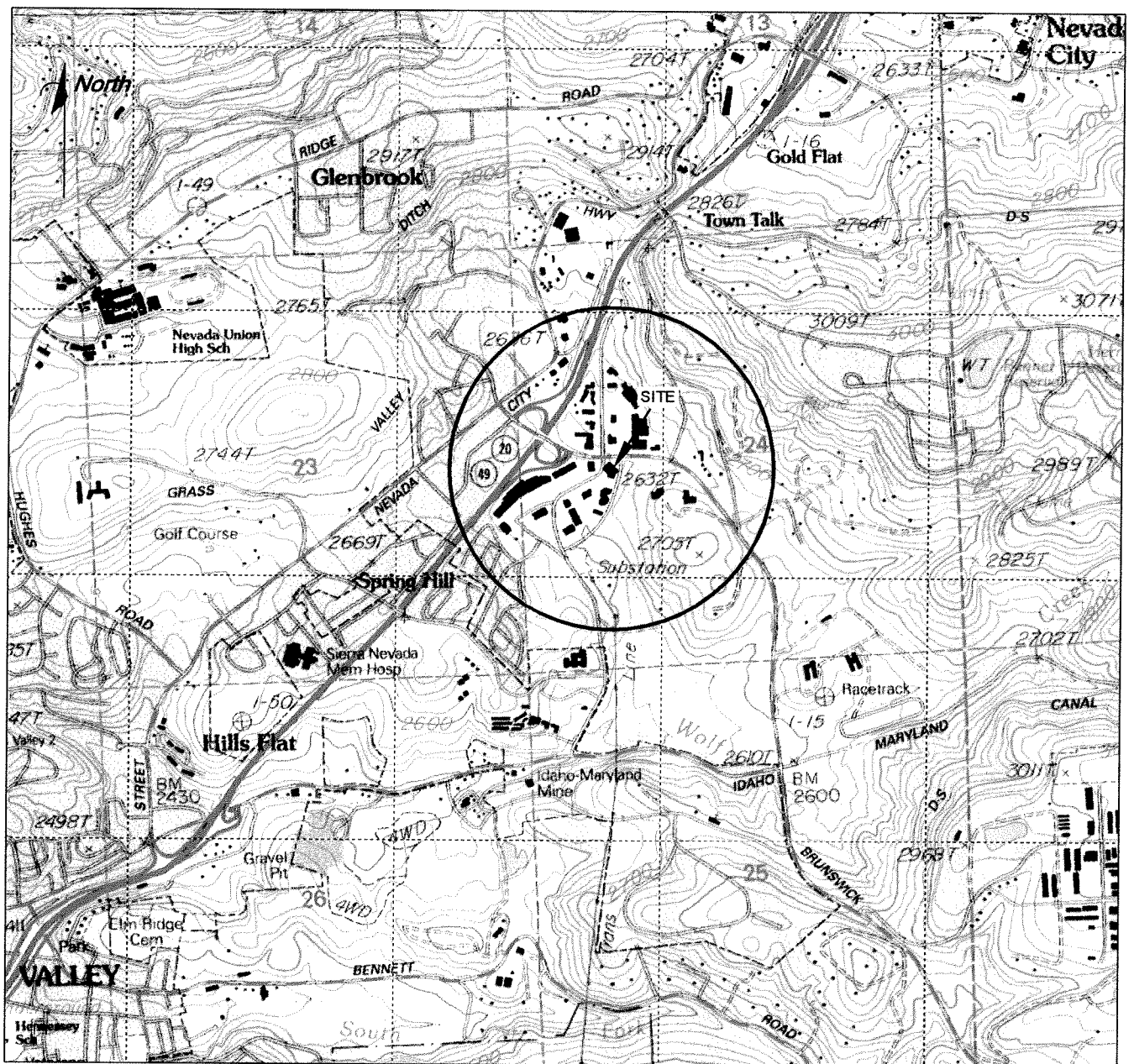
Jay R. Johnson, P.G.  
Senior Project Geologist



Scott G. Bittinger, P.G.  
Project Manager

Attachment: Figure 1 Site Location Map  
Figure 2 Site Map  
Appendix A Well Destruction Permits  
Appendix B DWR Well Destruction Notices

cc: Ms. Amanda Massey, Nella Oil Company  
Mr. Markus Niebanck, Nella Oil Company  
Ms. Julia R. Amaral, Property Owner  
Mr. David Huff, Nevada County Environmental Health Department



GENERAL NOTES:  
 BASE MAP FROM U.S.G.S.  
 NEVADA CITY, CA  
 7.5 MINUTE TOPOGRAPHIC  
 PHOTOREVISED 1980



QUADRANGLE LOCATION



SCALE 1:24,000

**STRATUS**  
 ENVIRONMENTAL, INC.

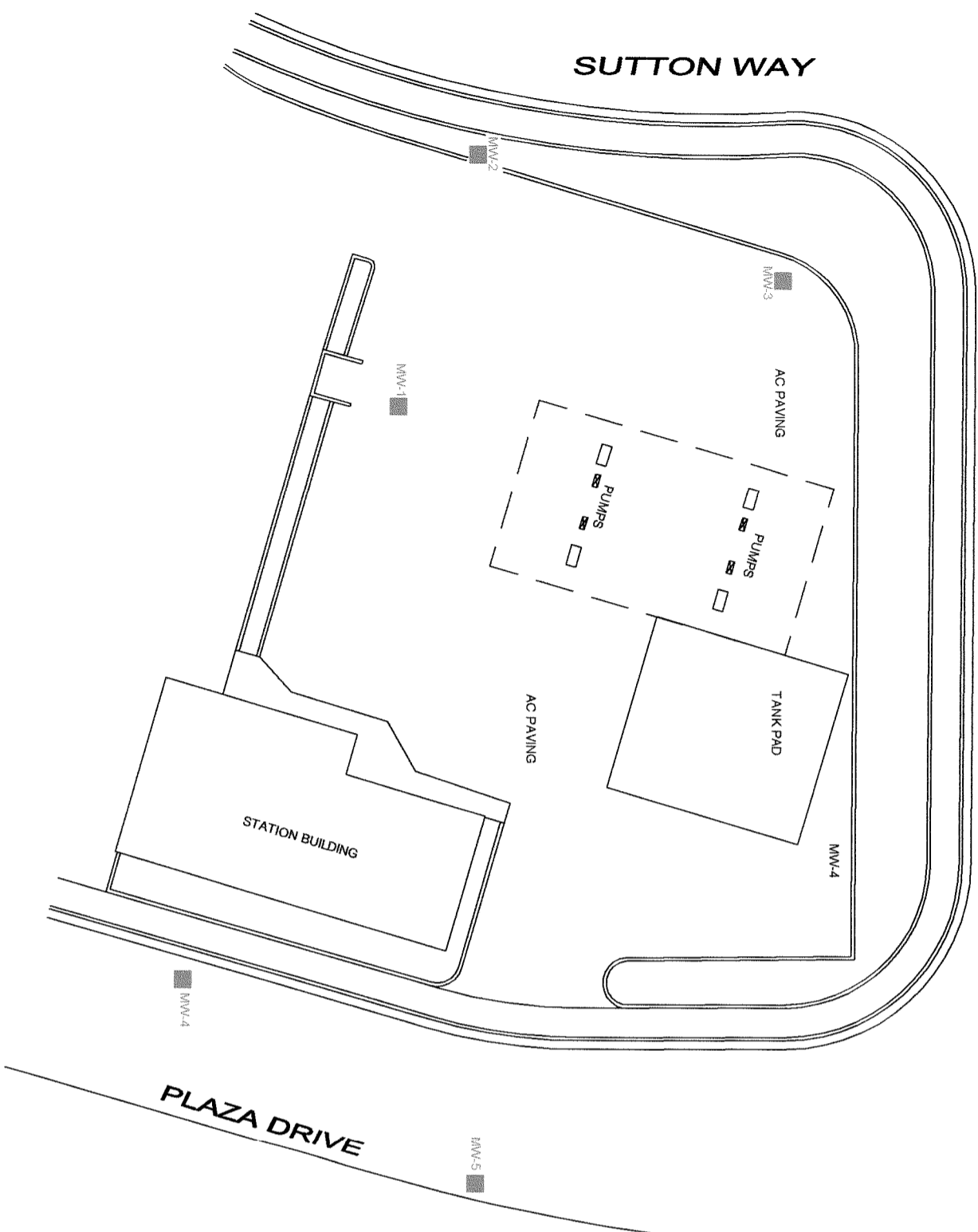
NELLA OIL STATION NO. 31  
 12008 PLAZA DRIVE  
 GRASS VALLEY, CALIFORNIA  
 SITE LOCATION MAP

FIGURE  
**1**  
 PROJECT NO.  
 2028-31-1



BRUNSWICK ROAD

**SUTTON WAY**



LEGEND:

ABANDONED MONITORING WELL (STRATUS, 2006)

STRAUS  
ENVIRONMENTAL, INC.



NELLA OIL STATION NO. 31  
 1008 PLAZA DRIVE  
 GRASS VALLEY, CALIFORNIA

## SITE MAP

FIGURE  
2  
PROJECT NO.  
2028-31-01

**APPENDIX A**

**WELL DESTRUCTION PERMITS**

NEVADA COUNTY DEPARTMENT  
OF  
ENVIRONMENTAL HEALTH

950 Maidu Ave  
Nevada City, CA 95959  
(530) 265-1452  
FAX (530) 265-7056

10075 Levone Ave., Suite 105  
Truckee, CA 96161  
(530) 582-7884  
FAX (530) 582-0712

JOB NUMBER: 2100646  
APN: 35 - 40 - 30  
PERMIT NUMBER  
No 6882  
Both Assessor's Parcel Number  
and Permit Number must  
show on Well Driller's Report.

APPLICATION/PERMIT TO CONSTRUCT, REPAIR OR DESTROY A WELL

Property Owner: Julia Amarel Trust Owner's Mailing Address: P.O. Box 1450, Nevada City, CA 95959  
Job Site Address: 12008 Plaza Drive City: Gross Valley Zip: 95945  
Nearest Cross Street: Brunswick Rd Parcel Acreage: 0.47

PROPOSED WORK: ☐ New Well ☐ Deepening ☒ Destruction (Include diagram of proposal)  
☐ Repair or Modification: (proposed work) Destroy wells MW-1, MW-2, MW-3 by pressure grouting & overdrilling  
(Include diagram of proposal)  
TYPE OF WELL: ☐ Class I ☐ Class II ☒ Monitoring PROPOSED USE: upper 5-foot well casing  
Angular Seal Depth Proposed: \_\_\_\_\_  
CASING TYPE: ☒ Plastic ☐ Steel Diameter 2" Wall Thickness or Gauge Sch. 40 PVC

SEALING MATERIAL: ☐ Bentonite ☐ Concrete ☒ Other (please specify) neodecment  
Sealing Application: ☒ Pumped/Tremie ☐ Dropped into Water  
PROPOSED SEAL DATE AND TIME: Date Tremie 2-20-06 Time 8:30  
WELL CONTRACTOR: Woodward Drilling Concina E. Woodward C-57 License No. 710079  
Business Address: 550 River Rd. Rio Vista CA Phone: 707-374-4300

I hereby certify that the work described in this application will be done in accordance with the provisions of the Nevada County Land Use and Development Code, Chapter X, pertaining to well construction, repair, modification, deepening, and destruction. Within 90 days of completion of work, I will furnish the Nevada County Department of Environmental Health a complete and accurate copy of the water well "Driller's Report"; DWR form No. 188.

WELL CONTRACTOR X Concina E. Woodward DATE 2-8-06

PERMIT EXPIRES ONE YEAR FROM DATE OF ISSUE

DEPARTMENT USE ONLY—Do Not Write Below This Line

PERMIT REQUIREMENTS: Maintain All County Set-Back Requirements Including 25 Feet Minimum From Well to Waste Plumbing Within A Structure. well shall be 25 feet from structure

Permit Issued By [Signature] Date 2-21-06

SEAL: Date \_\_\_\_\_ Depth \_\_\_\_\_ Inspector \_\_\_\_\_

COMPLETED WELL: Date Completed \_\_\_\_\_ Total Depth \_\_\_\_\_ Yield\* \_\_\_\_\_

Construction Final Approval By \_\_\_\_\_ Date \_\_\_\_\_

\* NOTE: This rate is provided by the well driller and is stated solely for the purpose of obtaining clearance for a building permit. For this purpose, this well yield is valid for one (1) year from date of well completion. Well yield can change over time.

NEVADA COUNTY DEPARTMENT  
OF  
ENVIRONMENTAL HEALTH

950 Maidu Ave  
Nevada City, CA 95959  
(530) 265-1452  
FAX (530) 265-7056

10075 Levone Ave., Suite 105  
Truckee, CA 96161  
(530) 582-7884  
FAX (530) 582-0712

JOB NUMBER: 21-00645  
APN: 35 - 480 - 30  
PERMIT NUMBER  
No 6881  
Both Assessor's Parcel Number  
and Permit Number must  
show on Well Driller's Report.

APPLICATION/PERMIT TO CONSTRUCT, REPAIR OR DESTROY A WELL

Property Julia Amorul Trust and Lawrence Owner's  
Owner: 9 Gloria Amorul Trust Mailing Address: P.O. Box 1450, Nevada City, CA 95959

Job Site Address: 331 Brunswick Rd City: Grass Valley Zip: 95945

Nearest Cross Street: Plaza Drive Parcel Acreage: 13.68

PROPOSED WORK: ☐ New Well ☐ Deepening ☒ Destruction (Include diagram of proposal)

☐ Repair or Modification: (proposed work) Destroy wells MW-4 & MW-5 by pressure grouting, & overdrilling upper  
(Include diagram of proposal)

TYPE OF WELL: ☐ Class I ☐ Class II ☒ Monitoring PROPOSED USE: 5-foot of well casing

Angular Seal Depth Proposed: \_\_\_\_\_

CASING TYPE: ☒ Plastic ☐ Steel Diameter 2" Wall Thickness or Gauge Sch 40 PVC

SEALING MATERIAL: ☐ Bentonite ☐ Concrete ☐ Other (please specify) neat cement

Sealing Application: ☒ Pumped/Tremie ☐ Dropped into Water

PROPOSED SEAL DATE AND TIME: Date Tremie 2-20-06 Time 8:30

WELL CONTRACTOR: Woodward Drilling Concino E. Woodward C-57 License No. 71007A

Business Address: 550 River Rd. Rio Vista CA Phone: 707-374-4300

I hereby certify that the work described in this application will be done in accordance with the provisions of the Nevada County Land Use and Development Code, Chapter X, pertaining to well construction, repair, modification, deepening, and destruction. Within 90 days of completion of work, I will furnish the Nevada County Department of Environmental Health a complete and accurate copy of the water well "Driller's Report"; DWR form No. 188.

WELL CONTRACTOR X Concino E. Woodward DATE 2-8-06

PERMIT EXPIRES ONE YEAR FROM DATE OF ISSUE

DEPARTMENT USE ONLY—Do Not Write Below This Line

PERMIT REQUIREMENTS: Maintain All County Set-Back Requirements Including 25 Feet Minimum From Well to Waste Plumbing Within A Structure. see set-back 57 feet from front

can drill upper 5' - OK. OK

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Permit Issued By [Signature] Date Feb 21, 06

\_\_\_\_\_

SEAL: Date \_\_\_\_\_ Depth \_\_\_\_\_ Inspector \_\_\_\_\_

COMPLETED WELL: Date Completed \_\_\_\_\_ Total Depth \_\_\_\_\_ Yield\* \_\_\_\_\_

Construction Final Approval By \_\_\_\_\_ Date \_\_\_\_\_

\* NOTE: This rate is provided by the well driller and is stated solely for the purpose of obtaining clearance for a building permit. For this purpose, this well yield is valid for one (1) year from date of well completion. Well yield can change over time.

## **APPENDIX B**

### **DWR WELL DESTRUCTION NOTICES**









Permit Date 2-21-04[illegible]

CERTIFICATION STATEMENT			
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.			
NAME	Stratus Environmental, Inc.		
	(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)		
3330	Cameron Park Dr., #550	Cameron Park	CA 95682
ADDRESS		CITY	STATE ZIP
Signed	South Billings for Woodward Drilling Co.	2-21-06	710079
	C-57 LICENSED WATER WELL CONTRACTOR	DATE SIGNED	C-57 LICENSE NUMBER